

ASHLEY CREEK DISTRIBUTION SYSTEM

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ACKNOWLEDGMENTS

The sincere appreciation of the Water Commissioner is expressed to Mr. Dee C. Hansen, State Engineer for the State of Utah, and his fine staff of personal at the State Office, special thanks goes to Mr. Bob Guy, Area Engineer and Stanley Adams for the Uintah Basin Area, for their cooperation and assistances in distribution and interpretation of the water rights involved in the Ashley Creek Distribution System.

Thanks is also made to the Executive Committee, composed of representatives from the various companies involved. Archie Dee Jenkins, representing the Ashley Upper Irrigation Company, and the Ashley Valley Reservoir Company, Mr. Colton McKeachnie, representing the Highline Canal Company, Mr. Charles Morrison, representing the Rock Point Canal Company, Mr. Boyd Workman, representing the Island Ditch Company, Mr. Stanley Jones, representing the Steinaker Ditch, Mr. Morgan Hall, representing the Dry Fork Irrigation Company and the Upper Creek Users and Mosby Users. Mr. Ralph Walker, representing the Ashley Central Irrigation Company, Mr. Colton McKeachnie representing the Central Office, Mr. Joe Dodds, representing the Dodds Ditch.

Glen Anderson, and his fine staff in Vernal U.S.G.S. office and L. Y. Siddoway, and staff at the Uintah Water Conservancy District Office, Bryant Brady, of the Soil Conservation Service, Mr. Steve Cox of the Utah State University Extension Service, and all others who helped in any way, the Commissioner expresses his appreciation.

ASHLEY CREEK DISTRIBUTION SYSTEM
61 East Main
Vernal, Utah 84078

LETTER OF TRANSMITTAL

HON. J. ROBERT BULLOCK
Fourth Judicial District
Uintah County Court House
Vernal, Utah 84078

Dear Sir:

In accordance with the authority granted by the ORDER APPOINTING COMMISSIONER, dated April 14, 1976 and filed as part of Civil No. 18, now Civil No. 3197, in the Uintah County Court House at Vernal, Utah, I, submit herewith the report on the distribution of the waters of Ashley Creek Distribution System for the year of 1976.

Respectfully yours,

DAVID R. RASMUSSEN
WATER COMMISSIONER

NOTICE OF ASHLEY CREEK DISTRIBUTION SYSTEM 1976 ASSESSMENTS

At the annual meeting of Ashley Creek Distribution System, the following budget and assessment distribution was approved. Your share will be listed in the lower section by individual or company. These amounts are due and payable at the system office, located at 61 East Main, Vernal, Utah, 84078 by mail or in person. Amounts set opposite each amount should be paid by June 1, 1976.

BUDGET:	Commissioners Salary	7200.00
	Matching Social Security	425.00
	Mileage and Auto Allowance	3000.00
	Commissioner Report	400.00
	Bonds and Insurance Premium	50.00
	System Equipment	200.00
	Office Rent	300.00
	Deputy Commissioner's Salary	500.00
	Miscellaneous Reserve	425.00
		<hr/>
		12,500.00

1976 ASSESSMENT BREAKDOWN BY COMPANY OR INDIVIDUAL: PRIMARY USERS

1.	Ashley Upper Irrigation Company	.327	2248.12
2.	Colton Ditch	.036	247.50
3.	Steinaker Ditch	.020	137.50
4.	Ashley Central Irrigation Co.	.335	2303.13
5.	Island Ditch Company	.074	508.75
6.	Dodds Ditch Company	.010	68.75
7.	Rock Point Canal Company	.198	1361.25

ALL OTHER:

1.	Ashley Valley Reservoir Co.	20%	2500.00
2.	Uintah Water Conservancy District	15%	1875.00
3.	Individual Users:		
A.	Highline Canal Co.	.25	312.50
B.	Dry Fork Irrigation Co.	.10	125.00
C.	J. N. Merkley	.05	62.50
D.	Mosby Irrigation Co.	.25	312.50
E.	Pitt Ditch Company	.05	62.50
F.	Dwayne T. Johnson	.05	62.50
G.	Morgan Merkley	.05	62.50
H.	William L. Hullinger	.05	62.50
I.	Rex Gardiner	.05	62.50
J.	Henry Peltier	.05	62.50
K.	Sadie A. McConkie	.05	62.50

GRAND TOTAL OF ASSESSMENTS FOR 1976

12,500.00

Hugh W. Colton of
COLTON & HAMMOND
Attorneys for Petitioner
55 East Main Street
Vernal, Utah 84078
801-789-1664

IN THE FOURTH JUDICIAL DISTRICT COURT OF THE
STATE OF UTAH IN AND FOR UTAH CO.

EBENEZER G. DEFRIEZ, et al, : -----

Plaintiffs, :

vs

ASHLEY CENTRAL IRRIGATION CO.
et al. :

Defendants,

and

ASENITH CHADWICK, et al, :

Intervenors, :

and

ASHLEY VALLEY RESERVOIR CO. :
UNITED STATES BUREAU OF REC-
LAMATION, HIGHLINE CANAL CO.
DRY FORK IRRIGATION COMPANY
JUNIOR MERKLEY, DAVID RAS-
MUSSEN, MOSBY IRRIGATION
COMPANY, PITT DITCH COMPANY,
DUAYNE, T. JOHNSON, MORGAN
MERKLEY, WILLIAM H. HULLINGER,
REX GARDNER, HENRY PELTIER,
VIRTUS McCONKIE, SADIE A.
McCONKIE, ARUS CALDWELL AND
LAWRENCE CALDWELL,

Defendants : Civil No. 3197

The petition of Archie Dee Jenkins, Chairman of the Ashley Water Users Executive Committee, representing all of the users of the waters of Ashley Creek and its tributaries, came on regularly for hearing this 14th day of April, 1976 for the appointment of a Water Commissioner for the year beginning April 7, 1976 and ending April 6, 1977, and for directions from this court concerning the distribution of the waters of the Ashley Creek for the entire term.

And it appearing to the Court:

1. That all the users of the waters of Ashley Creek and its tributaries heretofore made parties to this action have been given due notice through their chosen representative for the time required by the laws of the State of Utah.

2. That this Court has jurisdiction of the distribution of the waters of Ashley Creek and its tributaries, by reason of the Decree entered herein on November 17, 1897, dividing the waters of Ashley Creek and setting forth the respective rights of the parties to said action in and to the waters of Ashley Creek and its tributaries, which Decree has been amended to include water rights claimed by other persons since the date of said decree.

3. That since the date of said Decree, as amended, the rights of the respective parties to the

said suit have been administered under the direction of this Court, through the Water Commissioner, appointed annually by this Court as provided in the said Decree; that the said Decree provides that a Water Commissioner be appointed annually by the District Court each year at the request of one or more of the parties to said action; that the said Commissioner should be authorized, empowered and directed to make divisions of all the waters of Ashley Creek where the same are taken from the natural channel thereof, and that under his direction there be constructed all dams, weirs and other necessary measurement devices for the proper and correct division of the waters of Ashley Creek.

4. That since the date of said Decree, several persons, not parties to the original action, have acquired, developed or claim the right to use some of the waters of Ashley Creek and its tributaries, which parties, have been, by order of this Court, made parties to this action by an Order dated May 15, 1962.

5. That the various parties and water users have, by agreement, organized an Executive Committee wherein all parties are represented and authorized to conduct the joint business of the water users of Ashley Creek.

6. That on the 31st day of March 1976, at a

meeting called for all of the users of the waters of Ashley Creek or their representatives to which meeting all users were given notice and invited to attend, the Chairman of the said Committee was authorized, by a unanimous vote of all those present, to file a petition on behalf of the Ashley Creek Water Users requesting this Court to reappoint David Rasmussen as Commissioner of Ashley Creek for the period beginning April 7, 1976 and ending April 6, 1977, and that the said David Rasmussen, by reason of his qualifications and experience as Commissioner of the water of Ashley Creek, is competent and qualified to act as Water Commissioner.

NOW, THEREFORE, IT IS HEREBY ORDERED, ADJUDGED AND DECREED:

1. That David Rasmussen be, and he is hereby appointed Commissioner of the waters of Ashley Creek and its tributaries, which creek is a tributary of Green River in Uintah County, State of Utah, for a period of one year beginning April 7, 1976 and ending April 6, 1977 or until further order of this Court. He is hereby directed to administer and distribute the water of Ashley Creek and its tributaries by himself or duly appointed deputies in accordance with the Decrees of this Court and the laws of the State of Utah, which, by reference are made a part hereof, to the parties hereto in accordance with their respective rights. The rights of the

parties hereto shall be, until further order of this Court, as heretofore established by this court.

2. That the Commissioner shall confer and counsel with the Chairman of the Executive Committee of the Ashley Water Users, provided, however, said Chairman shall act in an advisory capacity only and that the Commissioner shall be responsible to this Court.

3. That the Commissioner shall name and appoint such deputy or deputies as he may need in the distribution of the waters of Ashley Creek and he is hereby authorized to pay a reasonable salary or wage and automobile mileage to himself and such persons as he may employ in carrying out the provisions of this Order. He shall notify the respective water users of their proportionate share of the expenses of carrying out the terms of this Order; such notice shall direct the various water users to pay the Clerk of this Court all amounts due on or before July 1, 1976, and this money, when collected by the clerk, shall be forwarded to the Commissioner to be held by the Commissioner in a trust fund account and disbursed for purposes of paying expenses involved in carrying out the provisions of this Order.

4. The expense of carrying out the provisions of this order, as estimated by the said Commissioner at

\$12,500.00, shall be paid by the parties hereto in the

following proportions:

1. Primary Water Users
Primary Water Users to pay the 55% in the following proportions:

Ashley Upper Irrigation Company	.327
Colton Ditch Company	.036
Steinaker Ditch Company	.02
Ashley Central Irrigation Co.	.335
Hardy Ditch Co. (Out of Ashley Central Irrigation Company)	
Island Ditch Company	.074
Dodds Ditch Company	.01
Rock Point Irrigation Company	.198
2. Ashley Valley Reservoir Company 20%
3. United States Bureau of Reclamation 15%
4. All Other Users 10%
All Other Users to pay the 10% in the following proportions:

Highline Canal Company	.25
Dry Fork Irrigation Co.	.10
Junior Merkley & David Rasmussen	.05
Mosby Irrigation Company	.25
Pitt Ditch Company	.05
Duayne T. Johnson	.05
Morgan Merkley	.05
William H. Hullinger	.05
Clarence E. Jones	.05
Henry Peltier	.05
Sadie A. McConkie	.05

Provided further that in the event the said Commissioner shall overestimate the actual expenses incurred during the above period, then the remaining balance shall be carried forward to cover expenses for the next irrigation season, and that in the event the said Commissioner shall underestimate the actual expenses incurred during the above period, then he shall report the same to this Court and a further assessment will be made to meet the expenses incurred.

5. That said Commissioner shall distribute the water of said Ashley Creek at the weirs or points of diversion heretofore constructed by the respective parties and approved by this Court and where the said parties do not have proper weirs and measuring devices, it is hereby ordered that they shall install the same in a manner to be approved by the said Commissioner, which devices shall be mechanical and constructed in a manner that they will shut off the waters of the respective ditches and canals when directed by the Commissioner.

6. That it is further ordered that each party hereto shall, at his or its own expense, install a Parshall Flume or other measuring device at the head of his or its ditch at a place and in a manner to be approved by the Commissioner.

7. That the respective parties hereto are hereby ordered to comply with the schedule of terms and other rules and regulations as they may be given by the said Commissioner and approved by this Court in the use of the waters they are entitled to under the terms of this Decree and the Laws of the State of Utah.

8. The Commissioner and his deputies are hereby ordered and directed that in the event any of the parties hereto fail to comply with this Order, to shut off the water of the said party and report the failure to this Court, and such party shall not be permitted to use any

of the waters of Ashley Creek and its tributaries until further order of this Court.

9. That the said Commissioner is hereby directed to file a written report of his actions and activities in the distribution of the water of Ashley Creek for the 1976-77 irrigation season, which report shall be filed as soon ~~after~~ January 1, 1977 as may be practical.

10. It is further provided that in the event any of the parties hereto shall disagree with the Chairman of the said ~~water~~ users committee, then he is hereby authorized to confer directly with the Commissioner or his deputy concerning any distribution problem and in the event the Commissioner or his deputy cannot settle such controversy, such person may present his problem to this Court for final determination.

DATED this 14th day of April, 1976.

BY THE COURT:

J. ROBERT BULLOCK
DISTRICT JUDGE

PROPOSED WATER DELIVERY SCHEDULE FOR ASHLEY CREEK & TRIBUTARIES

It is proposed to divide the water of Ashley Creek and Dry Fork in accordance with the decreed water rights as closely as can be followed. However until these rights have been established on a more firm basis, the distribution as set out in the past will be followed during the coming irrigation season.

THIS SCHEDULE IS AS FOLLOWS:

1. Firm flow will be distributed pro-rated on the following schedule:

A. Water Users or Canal Company	% of flow
1. Ashley Upper Irrigation	36.3
2. Steinaker Ditch	2.0
3. Ashley Central Irrigation	33.5
4. Island Ditch Company	7.4
5. Dodds Ditch Company	1.0
6. Rock Point Canal	19.8
	<u>100.0</u>

11. Transmountain Diversion, Applications, or Certificates will have water delivered in accordance with priority.
 - A. Ashley Valley Reservoir Company water is to be delivered from Brush Creek drainage through a transmountain diversion into the stockholders canals on the basis of 90% of diversions with 10% being assessed as transmission charges.
 - B. Highline Canal Company water to be delivered in accordance with their applications.
 - C. U.S. Bureau of Reclamation water to be delivered through the Thorberg diversion as per allocation.
 - D. All private diversions in accordance with their applications rights.
111. Dry Fork rights will be delivered in accordance with the Dry Fork Decree with no release of low flow to the primary water rights of Ashley Creek and all applications and certificates will be delivered in accordance with their priority.
- 1*A This schedule is to be applied as proposed until a more equitable schedule of all rights may be developed. Changes in this schedule will be made as additional information becomes available.

VERNAL UNIT - CENTRAL UTAH PROJECT

Every water year is different and many are very unusual. The water year of 1976 was in this category, unusual. Early forecasts indicated a high runoff, this was not so, the runoff on the south slope of the Uintas was below normal. Stream flows after the high run-off period were well below normal. Precipitation during the summer, fall, and early winter was very poor and as a result farm lands and watersheds are dry with almost no soil moisture and with very little snow.

On November 1, 1975 Steinaaker Reservoir useable storage was 20,238 acre feet. On April 30, 1976 the storage had reached 29,108 acre feet. Total capacity of the reservoir was reached on May 28, 1976. (33, 280 acre feet).

On November 1, 1976 Steinaker Reservoir storage was at 14, 180 acre feet. The storage reached 17,110 acre feet by January 1, 1977.

For Steinaker Reservoir to fill in 1977, the weather pattern must change drastically. It now looks as though the Uintah Basin will be in a very serious drought situation during 1977.

During the 1976 irrigation season the project delivered the following amounts of irrigation water:

High Line Canal Co.	1,859.0 Acre Feet
Ashley Upper Irrigation Co.	9,284.1 Acre Feet
Colton Ditch	134.2 Acre Feet
Rock Point Canal Co.	627.0 Acre Feet
Island Ditch Co.	469.6 Acre Feet
Ashley Central Canal Co.	5,914.9 Acre Feet

VERNAL UNIT - CENTRAL UTAH PROJECT (cont)

Hardy Ditch	<u>55.0</u> Acre Feet
Total	18,343.8 Acre Feet

The usual delivery problem, not having sufficient exchange water, developed during the past season. The lands above the Steinaker Service Canal, mainly Ashley Upper Irrigation Co. lands, did not receive their totally required project water supply. Sufficient water was not available during the peak demand period in July and August. Below the service canal there was no problem for the project in making the delivery of project water plus the primary rights required under the exchange operation.

Under the provisions of the Amendatory Contract between the United States and the Uintah Water Conservancy District, the District must furnish rite-of-ways for the balance of the Vernal Unit Drains. Consequently, the District under the supervision of Attorney Colton and with the assistance of the U. S. Bureau of Reclamation, acquired necessary easements for the Block #3 Drains. Bids were opened for 7 drains, 3.99 miles, on April 27, 1976. The low bidder was Jay Tuft with a bid of \$216,743.95. To date all but two of the drains have been constructed, however, none of the 5 drains constructed have been completed with the required clean-up. The District is presently working with the Bureau to acquire easements for Block #4 Drains.

SUMMARY OF 1976 DISTRIBUTION FOR ASHLEY CREEK

First delivery of water in 1976 occurred April 1, when the Dodds right was turned in. Ashley Upper Canal began deliveries April 15, when 18.0 cfs. was diverted for livestock and minimal irrigation. The balance of the water, 766 A.F. was stored in Steinaker Reservoir during April. Total yield for the month was 1740 A.F., this was somewhat better than 1975, when a total of 1482 A.F. was stored or used.

During May all rights began using water. By May 14, the flow had reached 279.0 cfs and continued to increase to 733.0 cfs by May 31. Total yield for the month was 25,623 A.F. compared to 8979 A.F. in 1975.

Ashley Creek peaked out on June 3, with a flow of 831 cfs. Total for June was 22,414 A.F. compared to 54,146 A.F. in 1975. Steinaker Reservoir reached capacity on May 28, with a storage of 33,280 A.F. Diversion to Steinaker continued on to June 7, with 22 cfs. to offset shrinkage and use in the service canal.

The creek averaged 104 cfs per day during 1976 compared to 522 cfs in 1975. Oaks Park began deliveries on July 10, 1976 with a total of 2,584.0 A.F. being delivered out of the Ashley Valley Reservoir Company System during July.

August fell off to a daily average flow of 61.7 cfs. Daily average for 1975 was 140 cfs.

September and October yielded a total of 5,104 A.F., for a daily average of 89.5 A.F. or 44.77 cfs. In 1975 the daily average for September and October was 159.4 A.F. or 79.7 cfs.

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SUMMARY 1976 DISTRIBUTION OF ASHLEY CREEK (cont)

1976 was marked with an early and short lived high run off period. Total yeild for the season was far below average with a total of 63,350 F.F. 1975 totaled 115,155 A.F.

Even with the shortage of water most farmers were able to raise fairly good crops with the aid of 18,343 A.F. delivered out of Steinaker Reservoir and 6,000 A.F. delivered out of the Ashley Valley Reservoir System.

Users above Steinaker Reservoir service canal were limited to available exchange water and some were not able to receive all their "S" Stock. Users below the Service Canal were generally satisfied with deliveries.

Dry Fork Users suffered from the short run-off period and were short of water during the late season months.

Mosby Users divirted up to the limits of their rights and enjoyed stored water out of the Julius Park Reservoir.

Outlook for water supply, as of March 1, 1977, is very unfavorable. Recent snow surveys indicate approximately 25% of average in water content. The probability of Oaks Park Reservoir filling is very slim. Steinaker Reservoir held 17,110 A.F. on January 1, 1977 and has since stored approximately 2,000 A.F. This will permit a full allotment for "S" Stock during 1977, but the problem of available water for exchange above the Service Canal may limit those users on a full supply of "S" Stock.

Date	Vernal City	Stein.	Alta Ditch	Highline Canal	Upper Canal	Colton Ditch	Rock P. Canal	Dodds Ditch	Island Ditch	Central Canal	Hardy Ditch	Feeder	Spill	Total
			Pri. S	Pri S. AVR	Pri. S. AVR	Pri. S. AVR	Pri. S. AVR		Pri. S. AVR	Pri. S. AVR				
1	6.0							.5				22.0		28.5
2	6.0							.5				22.0		28.5
3	6.0							.5				22.0		28.5
4	6.0							.5				22.0		28.5
5	6.0							.5				22.0		28.5
6	6.0							.5				22.0		28.5
7	6.0							.5				22.0		28.5
8	6.0							.5				22.0		28.5
9	6.0							.5				22.0		28.5
10	6.0							.5				22.0		28.5
11	6.0							.5				22.0		28.5
12	6.0							.5				22.0		28.5
13	6.0							.5				22.0		28.5
14	6.0							.5				22.0		28.5
15	6.0				18.0			.5				5.0		29.5
16	6.0				18.0			.5				5.0		29.5
17	6.0				18.0			.5				5.0		29.5
18	6.0				18.0			.5				5.0		29.5
19	6.0				18.0			.5				5.0		29.5
20	6.0				18.0			.5				5.0		29.5
21	6.0				18.0			.5				5.0		29.5
22	6.0				18.0			.5				5.0		29.5
23	6.0				18.0			.5				5.0		29.5
24	6.0				18.0			.5				5.0		29.5
25	6.0				18.0			.5				5.0		29.5
26	6.0				18.0			.5				5.0		29.5
27	6.0				18.0			.5				5.0		29.5
28	6.0				18.0			.5				5.0		29.5
29	6.0				18.0			.5				5.0		29.5
30	6.0				18.0			1.5	3.0					28.5
Total	180.0				288.0			16.0	3.0			383.0		870.0
CFS					576.0			32.0	6.0			766.0		1740.0
A.F.	360.0				571.2			31.7	6.0			759.7		
	357.0							-17-						

Date	Vernal	Stein.	Alta	Highline	Upper	Colton	Rock P.	Boggs	Island	Central	Feeder	TOTAL		
	City		Ditch	Canal	Canal	Ditch	Canal	Ditch	Ditch	Canal	Canal			
			Pri. S	Pri. S. AVR	Pri. S. AVR	Pri. S. AVR	Pri. S. AVR		Pri. S. AVR	Pri. S. AVR				
1	6.0				18.0			1.5	3.0			28.5		
2	6.0				18.0			1.5	3.0			28.5		
3	6.0				18.0			1.5	3.0			28.5		
4	6.0				25.0			1.5	3.5			36.0		
5	6.0				30.0			1.5	3.5			41.0		
6	6.0				30.0			1.5	3.5			41.0		
7	6.0				30.0			1.5	3.5			41.0		
8	6.0				30.0			1.5	3.5			41.0		
9	6.0				40.0			1.5	3.5			51.0		
10	6.0				39.0		5.0	1.5	3.0	16.0		70.5		
11	6.0				45.0		6.0	1.5	3.5	21.0		83.0		
12	6.0				72.0		9.0	2.0	3.5	30.0		122.5		
13	6.0				64.0		11.0	2.0	4.0	35.0		148.0		
14	6.0		10.0	16.0	58.0		6.0	3.0		70.0		279.0		
15	6.0		10.0	16.0	105.0	6.0	6.0	3.0	5.0	70.0	75.0	409.0		
16	6.0		10.0	23.0	95.0	5.0	9.0	3.0	5.0	74.0	67.0	344.0		
17	6.0		20.0	40.0	95.0	5.0	26.0	3.0	16.0	74.0	100.0	385.0		
18	6.0		20.0	40.0	95.0	5.0	18.0	3.0	16.0	72.0	155.0	506.0		
19	6.0		20.0	74.0	106.0	4.0	23.0	3.0	14.0	80.0	200.0	742.0		
20	6.0	10.0	20.0	80.0	160.0	4.0	23.0	3.0	14.0	120.0	200.0	918.0		
21	6.0	10.0	20.0	80.0	185.0	5.0	23.0	4.0	14.0	110.0	200.0	878.0		
22	6.0	10.0	22.0	90.0	185.0	5.0	30.0	4.0	14.0	90.0	200.0	823.0		
23	6.0	10.0	22.0	90.0	170.0	5.0	35.0	4.0	14.0	90.0	202.0	782.0		
24	6.0	10.0	22.0	90.0	170.0	5.0	42.0	4.0	14.0	90.0	202.0	782.0		
25	6.0	10.0	22.0	90.0	170.0	5.0	42.0	4.0	14.0	110.0	200.0	750.0		
26	6.0	10.0	22.0	90.0	170.0	5.0	42.0	4.0	14.0	110.0	200.0	671.0		
27	6.0	10.0	30.0	80.0	190.0	5.0	45.0	3.0	10.0	110.0	50.0	791.0		
28	6.0	10.0	30.0	80.0	195.0	5.0	45.0	3.0	10.0	110.0	22.0	770.0		
29	6.0	10.0	32.0	80.0	215.0	5.0	45.0	3.0	10.0	110.0	22.0	770.0		
30	6.0	10.0	37.0	80.0	215.0	5.0	45.0	2.0	9.0	110.0	22.0	718.0		
31	6.0	10.0	37.0	80.0	215.0	5.0	45.0	2.0	9.0	110.0	22.0	733.0		
31	6.0	10.0	37.0	80.0	230.0	5.0	45.0	2.0	9.0	110.0	22.0	733.0		
Total														
CFS	186.0	120.0	443.0	1299.0	3343.0	84.0	603.0	77.5	242.0	1812.0	28.0	2139.0	2435.0	12811.0
Total														
A.F.	372.0	240.0	886.0	2598.0	6686.0	168.0	1206.0	155.0	484.0	3624.0	56.0	4278.0	4870.0	25623.0
	368.9	238.0	878.7	2576.5	6630.7	166.6	1196.0	-18.5	480.0	3594.0	55.5	4242.6	4829.8	

June 1976

Date	Vernal City	Stein.	Alta Ditch	Highline Canal	Upper Canal	Colton Ditch	Rock P. Canal	Dodds Ditch	Island Ditch	Central Canal	Hardy Ditch	Feeder Canal	Spill	Total
			Pri. S	Pri. S. AVR	Pri. S AVR	Pri.	Pri. S. AVR		Pri. S.	Pri. S. AVR				
1	15.0	10.0	37.0	80.0	226.0	9.0	45.0	2.0	9.0	110.0	2.0	22.0	150.0	717.0
2	15.0	10.0	37.0	80.0	226.0	16.0	45.0	2.0	9.0	110.0	2.0	22.0	150.0	724.0
3	15.0	10.0	37.0	80.0	219.0	16.0	47.0	5.0	18.0	110.0	2.0	22.0	250.0	831.0
4	15.0	10.0	32.0	80.0	219.0	16.0	45.0	5.0	18.0	110.0	2.0	22.0	150.0	724.0
5	15.0	10.0	32.0	80.0	219.0	16.0	45.0	5.0	16.0	110.0	2.0	22.0	100.0	672.0
6	15.0	10.0	32.0	80.0	219.0	16.0	43.0	5.0	12.0	110.0	2.0	22.0	50.0	616.0
7	15.0	10.0	32.0	80.0	219.0	16.0	43.0	4.0	12.0	100.0	2.0	22.0	25.0	580.0
8	15.0	10.0	32.0	80.0	219.0	16.0	50.0	4.0	12.0	82.0	2.0			522.0
9	15.0	10.0	33.0	70.0	188.0	16.0	55.0	4.0	12.0	100.0	2.0			505.0
10	15.0	10.0	33.0	61.0	166.0	16.0	50.0	4.0	12.0	62.0	2.0			431.0
11	15.0	10.0	38.0	60.0	164.0	16.0	40.0	4.0	12.0	44.0	2.0			405.0
12	15.0	10.0	40.0	32.0	150.0	6.0	40.0	4.0	12.0	62.0	2.0			373.0
13	15.0	10.0	40.0	29.0	142.0	6.0	30.0	4.0	12.0	72.0	2.0			362.0
14	15.0	10.0	30.0	16.0	129.0	6.0	28.0	2.0	12.0	56.0	2.0			306.0
15	15.0	10.0	21.0	10.0	142.0	6.0	28.0	2.0	12.0	56.0	2.0			304.0
16	15.0	10.0	17.0		110.0	6.0	28.0	2.0	10.0	68.0	2.0			268.0
17	15.0	3.0	17.0		123.0	6.0	28.0	2.0	10.0	68.0	2.0			274.0
18	15.0	3.0	17.0		105.0	6.0	24.0	2.0	16.0	70.0	2.0			260.0
19	15.0	3.0	17.0		105.0	6.0	24.0	2.0	14.0	58.0	1.0			245.0
20	15.0	3.0	17.0		105.0	6.0	22.0	2.0	10.0	50.0	1.0			231.0
21	15.0	3.0	17.0		87.0	6.0	19.0	2.0	10.0	48.0	1.0			208.0
22	15.0	3.0	16.0		85.0	6.0	18.0	2.0	10.0	45.0	1.0			201.0
*23	15.0	3.0	16.0		88.0	6.0	20.0	2.0	12.0	60.0	1.0	25.0		248.0
24	15.0	3.0	16.0		88.0	6.0	27.0	2.0	10.0	48.0	1.0			216.0
25	15.0	3.0	16.0		66.0	6.0	25.0	2.0	10.0	49.0	1.0			193.0
26	15.0	2.0	16.0		66.0	6.0	19.0	2.0	9.0	45.0	1.0			181.0
27	15.0	2.0	16.0		61.0	6.0	19.0	2.0	8.0	37.0	1.0			167.0
28	15.0	2.0	7.0		46.0	6.0	25.0	2.0	10.0	45.0	1.0			159.0
29	15.0	2.0	2.0		46.0	5.0	22.0	1.5	10.0	40.0	1.0			144.5
30	15.0	2.0	2.0		44.0	5.0	20.0	1.5	9.0	40.0	1.0			139.5
Total														
CFS	450.0	197.0	715.0	918.0	4072.0	281.0	974.0	85.0	348.0	2065.0	48.0	179.0	875.0	11207.0
Total														
A.F.	892.6	394.0	1430.0	1836.0	8144.0	562.0	1948.0	170.0	696.0	4130.0	96.0	358.0	1750.0	22414.0
* RAIN RAISE	390.7	1418.2	1820.8	8076.7	557.4	1931.9	168.6	690.2	4095.9	95.2	355.0	1735.5		

July 1976

Date	Vernal City	Stein.	Alta Ditch	Highline Canal	Upper Canal	Colton Ditch	Rock P. Canal	Dodds Ditch	Island Ditch	Central Canal	Hardy Ditch	Feeder Canal	Spill	Total
			Pri. S.	Pri. S. AVR	Pri. S. AVR	Pri.	Pri. S. AVR		Pri. S.	Pri. S. AVR				
1	15.0	2.0	5.0	35.0	51.0	5.0	5.0	1.2	6.0	11.0		1.0		137.2
2	15.0	2.0	5.0	35.0	51.0	5.0	6.0	1.2	6.0	10.0		1.0		137.2
3	15.0	2.0	5.0	35.0	46.0	9.0	5.0	7.3	1.2	6.5	17.0	1.0		150.0
4	15.0	2.0	5.0	35.0	35.0	27.0	5.0	7.3	1.2	6.5	17.0	1.0		157.0
5	15.0	2.0	5.0	35.0	35.0	27.0	5.0	7.3	1.2	6.5	17.0	1.0		157.0
6	15.0	2.0	5.0	35.0	40.0	27.0	5.0	5.0	1.2	5.0	11.0	1.0		152.2
7	15.0	5.0	5.0	29.0	40.0		5.0	4.0	1.0	4.0	8.0	1.0		117.0
8	15.0	6.5	5.0	35.0	38.0	21.0	4.0	3.0	3.0	1.0	4.0	5.0	4.0	145.5
9	15.0	6.5	5.0	35.0	38.0	21.0	4.0	3.0	3.0	1.0	4.0	4.0	4.0	144.5
10	15.0	6.5	5.0	35.0	15.36.0	30.0	4.0	3.0	3.0	1.0	4.0	4.0	4.0	166.5
11	15.0	6.5	5.0	35.0	15.35.0	30.0	4.0	3.0	3.0	1.0	4.0	4.0	4.0	165.5
12	15.0	6.5	5.0	35.0	15.28.0	30.0	4.0	2.0	2.0	1.0	4.0	10.0	6.0	164.5
13	15.0	6.5	4.0	35.0	15.27.0	30.0	4.0	5.0	2.0	1.0	5.0	10.0	1.0	161.5
14	15.0	6.5	5.0	30.0	15.26.0	30.0	4.0	4.0	2.0	1.0	4.0	12.0	1.0	156.5
15	15.0	6.5	5.0	30.0	15.22.0	25.0	6.0	4.5		1.0	4.5	11.0	3.0	149.5
16	15.0	6.5	5.0	30.0	15.20.0	25.0	6.0	4.0		1.0	4.0	10.0	3.0	145.5
17	15.0	6.5	5.0	30.0	15.19.0	25.0	6.0	4.0		1.0	4.0	8.0	3.0	142.5
18	15.0	6.0	5.0	30.0	18.20.0	25.0	6.0	3.0	3.0	1.0	6.0	8.0	9.0	156.0
19	15.0	2.0	5.0	30.0	18.21.0	31.0	6.0	3.0	3.0	1.0	4.0	8.0	9.0	157.0
20	15.0		5.0	30.0	18.21.0	36.0	6.0	2.0	2.0	1.0	4.0	8.0	7.0	157.0
21	15.0		5.0	30.0	18.21.0	40.0	6.0	3.5		1.0	3.5	4.0	7.0	156.0
22	15.0		5.0	30.0	18.21.0	34.0	5.0	3.5		1.0	3.5	5.0	3.0	146.0
23	15.0		5.0	18.0	18.29.0	34.0	5.0	3.5		1.0	3.5	5.0	3.0	142.0
24	15.0		5.0	18.0	18.27.0	34.0	5.0	3.5		1.0	3.5	5.0	3.0	140.0
25	15.0		5.0	18.0	18.24.0	34.0	5.0	3.5		1.0	3.5	5.0	3.0	137.0
26	15.0		10.0	10.0	16.23.0	36.0	5.0	3.5		1.0	3.5	5.0	3.0	133.0
27	15.0		10.0	10.0	16.26.0	36.0	5.0	4.0		1.0	4.0	7.0	3.0	138.0
28	15.0		10.0	10.0	16.22.0	31.0	5.0	4.0	3.0	1.0		9.0		127.0
29	15.0		10.0	10.0	15.20.0	31.0	5.0	4.0	2.0	1.0	4.0	10.0		128.0
30	15.0		8.0		15.31.0	31.0	5.0	7.0		1.0	4.0	10.0		128.0
31	15.0		8.0		15.31.0	31.0	5.0	7.0		1.0	4.0	9.0		127.0

Totalc																
CFS	465.0	90.0	180.0		813.0357	924.821.0155.0	132.4	31.0	32.2	133.0	267.0	83.0	38.0			4521.6
Total																
AF	930.0	180.0	360.0		1626.0	714.1848.1642.310.	264.8	62.0	63.9 64.4	266.0	534.0	166.0	76.0			9043.2
	922.3	178.5	359.0		1612.6	708.1 1832.7 1628.4 307.4	262.6	61.5	-20-	257.9	529.6	164.6	75.4			

Aug 1976

Date	Vernano	ST. JOHN (Area)			HIGHLINES		UPPER		Canton			Rock Point			Dubs			Island		Central			Hardy		
		Pri.	S.	AVR	Pri.	S.	Pri.	S.	Pri.	S.	AVR	Pri.	S.	AVR	Pri.	S.	Pri.	S.	AVR	Pri.	S.				
1	15.0	5.0	8.0	10.0	5.0	26.0	26.0	5.0	7.0		1.0	4.0	9.0			1.0			1.0			125.0			
2	15.0	5.0	8.0	5.0	5.0	24.0	34.0	5.0	7.0		1.0	4.0	9.0			1.0			1.0			123.0			
3	15.0	5.0	8.0	5.0	5.0	26.0	34.0	5.0	7.0		1.0	4.0	10.0			1.0			1.0			126.0			
4	15.0	5.0	7.0	5.0		20.0	39.0	5.0	7.0		1.0	4.0	10.0			1.0			1.0			119.0			
5	15.0	5.0	7.0	5.0		20.0	37.0	5.0	6.0		1.0	4.0	9.0			1.0			1.0			115.0			
6	15.0	5.0	4.0			28.0	12.0	2.0	7.0		1.0	4.0	11.0			1.0			1.0			90.0			
7	15.0	5.0	4.0			26.0	12.0	2.0	7.0		1.0	4.0	9.0			1.0			1.0			86.0			
8	15.0	5.0	4.0			24.0	12.0	2.0	6.0		1.0	4.0	9.0			1.0			1.0			83.0			
9	15.0	5.0	2.0			22.0	12.0	2.0	6.0		1.0	4.0	9.0			1.0			1.0			79.0			
10	15.0	5.0	1.0			20.0	12.0	2.0	6.0		1.0	4.0	9.0			1.0			1.0			76.0			
11	15.0	5.0	1.0			20.0	12.0	2.0	6.0		1.0	4.0	9.0			1.0			1.0			76.0			
12	15.0	5.0	1.0			20.0	12.0	2.0	6.0		1.0	4.0	9.0			1.0			1.0			76.0			
13	15.0	5.0	1.0			20.0	12.0	2.0	6.0		1.0	4.0	9.0			1.0			1.0			76.0			
14	15.0	5.0	1.0			21.0	12.0	2.0	5.0		1.0	4.0	7.0			1.0			1.0			74.0			
15	15.0	5.0	1.0			21.0	12.0	2.0	5.0		1.0	4.0	7.0			1.0			1.0			74.0			
16	15.0	5.0	1.0			21.0	12.0	2.0	5.0		1.0	4.0	7.0			1.0			1.0			75.0			
17	15.0	5.0	1.0			22.0	12.0	2.0	5.0		1.0	4.0	7.0			1.0			1.0			75.0			
18	15.0	5.0	1.0			20.0	18.0	2.0	4.5		.5	3.5	6.5			1.0			1.0			71.0			
19	15.0	5.0	1.0			16.0	18.0	2.0	4.5		.5	3.5	6.5			1.0			1.0			71.0			
20	15.0	5.0	1.0			16.0	18.0	2.0	4.5		.5	3.5	6.5			1.0			1.0			71.0			
21	15.0	3.0	1.0			16.0	18.0	2.0	4.5		.5	3.5	5.0			1.0			1.0			67.0			
22	15.0	3.0				15.0	18.0	2.0	4.0		.5	3.5	5.0			1.0			1.0			83.0			
23	15.0	3.0	5.0	15.0		17.0	15.0	2.0	2.0		.5	2.5	5.0			1.0			1.0			83.0			
24	15.0	3.0	5.0	15.0		17.0	15.0	2.0	2.0		.5	2.5	5.0			1.0			1.0			82.0			
25	15.0	3.0	5.0	15.0		16.0	15.0	2.0	2.0		.5	2.5	5.0			1.0			1.0			79.0			
26	15.0	3.0	5.0	15.0		15.0	10.0	2.0	2.0		.5	2.5	3.0	5.0	1.0				1.0			83.0			
27	15.0	3.0	5.0	12.0		10.0	18.0	2.0	3.5		.5	4.0	4.0	5.0	1.0				1.0			80.0			
28	15.0	3.0	5.0	12.0		10.0	18.0	2.0	3.0		.5	3.5	7.0	1.0					1.0			80.0			
29	15.0	3.0	5.0	12.0		10.0	18.0	2.0	3.0		.5	3.5	7.0	1.0					1.0			55.0			
30	15.0	1.0	1.0	10.0		11.0		2.0	3.0		.5	3.5	7.0	1.0					1.0			43.0			
31	10.0	1.0	1.0			18.5		1.5	2.0		.5	2.5	5.0			1.0			1.0			2569.0			
Total	460.0	129.0	101.7	136.0	15.0	588.5	518.0	76.0	148.5		24.0	112.5	227.0	10.0	31.0								5138.0		
CFS																									
Total	920.0	258.0	202.0	272.0	30.0	1177.0	1036.0	153.0	297.0		48.0	225.0	454.0	20.0	62.0										
A. F.	912.4	255.9	200.3	269.8	29.8	1167.3	1017.5	151.7	296.5		47.6	223.1	452.2	19.8	61.5										

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Sept 1976

Date	Vernal City	Stein. Ditch	Alta Ditch	Highline Canal	Upper Canal	Colton Ditch	Rock P. Canal	Dodds Ditch	Island Ditch	Central Canal	Hardy Ditch	Feeder	Spill	Total
			Pri.	S	Pri. S. AVR	Pri. S. AVR	Pri. S. AVR	Pri. S. AVR	Pri. S. AVR	Pri. S. AVR	Pri. S. AVR	Pri. S. AVR	Pri. S. AVR	
1	10.0	1.0	1.0			18.5		1.5	1.5		.5	2.0	5.0	42.0
2	10.0	1.0	1.0			18.5		1.5	1.5		.5	2.0	5.0	42.0
3	10.0		1.0			18.5		1.5	1.5		.5	2.0	5.0	41.0
4	10.0		3.0	3.0		18.5	5.0	1.5	2.0		.5	2.5	5.0	54.0
5	10.0		3.0	4.0		16.5	14.0	1.5	4.0		.5	3.5	4.0	65.0
6	10.0		4.0	4.0		17.5	14.0	1.5	4.0		.5	3.5	6.0	69.0
7	10.0		4.0	4.0		18.5	14.0	1.5	6.0		.5	3.5	6.0	71.0
8	10.0		4.0	4.0		18.5	14.0	1.5	4.0		.5	3.5	6.0	70.0
9	10.0		4.0	4.0		18.5	14.0	1.5	4.0		.5	3.5	6.0	70.0
10	10.0		4.0	4.0		18.5	14.0	1.5	4.0		.5	3.5	6.0	70.0
11	10.0		4.0	4.0		18.5	12.0	1.5	4.0		.5	3.5	6.0	68.0
12	10.0		4.0	3.0		18.5	9.0	1.5	3.5		.5	3.0	5.0	62.0
13	10.0		4.0	3.0		18.5	3.0	1.5	3.5		.5	3.0	5.0	56.0
14	10.0		3.0	3.0		17.5	2.0	1.5	2.5		.5	2.0	7.0	50.0
15	10.0		4.0			16.5		1.5	2.5		.5	2.0	5.0	43.0
16	10.0		4.0			16.5		1.5	2.5		.5	2.0	5.0	43.0
17	10.0		4.0			16.5		1.5	2.5		.5	2.0	5.0	43.0
18	10.0		1.0			17.5		1.5	3.0		.5	2.5	5.0	42.0
19	10.0		1.0			17.5		1.5	3.0		.5	2.5	5.0	42.0
20	10.0		1.0			17.5		1.5	3.0		.5	2.5	5.0	42.0
21	10.0		1.0			19.5		1.5	3.0		.5	2.5	6.0	45.0
22	10.0		1.0			19.5		1.5	3.0		.5	2.5	6.0	45.0
23	10.0		1.0			19.5		1.5	3.0		.5	2.5	6.0	45.0
24	10.0		1.0			19.5		1.5	3.0		.5	2.5	6.0	45.0
25	10.0		1.0			19.5		1.5	3.0		.5	2.5	6.0	45.0
26	10.0		1.0			19.5		1.5	3.0		.5	2.5	6.0	45.0
27	10.0		1.0			19.5		1.5	3.0		.5	2.5	6.0	45.0
28	10.0		1.0			19.5		1.5	3.0		.5	2.5	6.0	45.0
29	10.0		1.0			19.5		1.5	3.0		.5	2.5	6.0	45.0
30	10.0		1.0			19.5		1.5	3.0		.5	2.5	6.0	45.0
Total														
CFS	300.0	2.0	69.0	40.0		552.0	115.0	45.0	91.5		15.0	79.5	167.0	1535.0
Total														
A.F.	600.0	4.0	138.0	80.0		1104.0	230.0	90.0	183.0		30.0	159.0	334.0	3070.0
	595.0	4.0	136.9	79.3		1094.9	228.1	89.3	181.5		-22-	157.7	331.2	

Oct 1976

Date	Vernal City	Stein Ditch	Alta Ditch	Highline Canal	Upper Canal	Colton Ditch	Rock P. Canal	Dodds Ditch	Island Ditch	Central Canal	Hardy Ditch	Feeder	Spill	Total
			Pri. S	Pri. S. AVR	Pri. S AVR	Pri.	Pri. S. AVR	Pri.	Pri. S.	Pri. S. AVR	Pri.			
1	8.0		1.0		19.5	1.5	3.0	.5	2.5	6.0	1.0			43.0
2	8.0		1.0		19.5	1.5	3.0	.5	2.5	6.0	1.0			43.0
3	8.0		1.0		19.5	1.5	3.0	.5	2.5	6.0	1.0			43.0
4	8.0		1.0		19.5	1.5	3.0	.5	2.5	6.0	1.0			43.0
5	8.0		1.0		19.5	1.5	3.0	.5	2.5	6.0	1.0			43.0
6	8.0		1.0		19.5	1.5	3.0	.5	2.5	6.0	1.0			43.0
7	8.0		1.0		19.5	1.5	3.0	.5	2.5	6.0	1.0			43.0
8	8.0		1.0		19.5	1.5	3.0	.5	2.5	6.0	1.0			43.0
9	8.0		1.0		19.5	1.5	3.0	.5	2.5	6.0	1.0			43.0
10	8.0		1.0		19.5	1.5	3.0	.5	2.5	6.0	1.0			43.0
11	8.0		1.0		19.5	1.5	3.0	.5	2.5	6.0	1.0			43.0
12	8.0		1.0		19.5	1.5	3.0	.5	2.5	6.0	1.0			43.0
13	8.0		1.0		19.5	1.5	3.0	.5	2.5	6.0	1.0			43.0
14	8.0		1.0		19.5	1.5	3.0	.5	2.5	6.0	1.0			43.0
15	8.0		1.0		19.5	1.5	3.0	.5	2.5	6.0	1.0			43.0
16	8.0		1.0		19.5	1.5	3.0	.5	2.5	6.0	1.0			43.0
17	8.0		1.0	9.0	13.0	1.0	3.0	.5	2.5	4.0	1.0			43.0
18	8.0		1.0	9.0	13.0	1.0	3.0	.5	2.5	4.0	1.0			43.0
19	8.0		1.0	4.0	18.0	1.0	3.0	.5	2.5	4.0	1.0			43.0
20	8.0		1.0	4.0	18.0	1.0	3.0	.5	2.5	4.0	1.0			43.0
21	8.0		1.0	4.0	18.0	1.0	3.0	.5	2.5	4.0	1.0			43.0
22	8.0		1.0	4.0	18.0	1.0	3.0	.5	2.5	4.0	1.0			43.0
23	8.0		1.0		20.0	1.0	3.0	.5	2.5	6.0	1.0			43.0
24	8.0		1.0		20.0	1.0	3.0	.5	2.5	6.0	1.0			43.0
25	8.0		1.0		20.0	1.0	3.0	.5	2.5	6.0	1.0			43.0
26	8.0		1.0		20.0	1.0	3.0	.5	2.5	6.0	1.0			43.0
27	8.0		1.0		20.0	1.0	3.0	.5	2.5	6.0	1.0			43.0
Total														
CFS	216.0		27.0	34.0	510.0	39.0	81.0	13.5	67.5	150.0	27.0			1161.0
Total														
A.F.	432.0		54.0	68.0	1020.0	78.0	162.0	27.0	135.0	300.0	54.0			2322.0
	428.4		53.6	67.4	1011.6	77.4	160.7	26.8	133.9	292.5	53.6			